

## Coolant pump for motor vehicles

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Inventor(s): SCHMIDT EUGEN DR (DE)  
Applicant(s):: SCHMIDT EUGEN DR (DE)  
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### Abstract

The pump has an impeller which is driven via a hysteresis coupling or permanent magnet coupling. One of the two coupling shaft ends carries a multipolar sector-shaped magnetic disc (6). The other coupling shaft has a copper disc (14) on it, which is connected to a disc of hysteresis material (13). There is a pump bearing in a bearing casing, in which the pump drive shaft can turn. The ends of this shaft carry the components described above. The bearing casing may be sealed by a non-magnetic dividing wall in the form of a cap.

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